

Material: STAS 10 CrMo 10

Standard Specification for Steel for Boiler Tubes

Group: Ferrous Mild Steel Alloys

Sub Group: STAS 10 CrMo 10 Steel for Boiler Tubes

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry: Tube

Chemical Composition		
Carbon	C %	0.150 max.
Silicon	Si %	0.150 - 0.500
Manganese	Mn %	0.400 - 0.700
Phosphorus	P %	0.040 max.
Sulphur	S %	0.040 max.
Chromium	Cr %	2.000 - 2.500
Nickel	Ni %	0.300 max.
Molybdenum	Mo %	0.900 - 1.100
Titanium	Ti %	0.020 max.
Arsenic	As %	0.050 max.
Copper	Cu %	0.300 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Annealing or Hardening + Tempering

Mechanical Properties	
Tensile Strength in Mpa	585 min.
Yield Strength in Mpa	380 min.
Elongation in %	20 min.
Reduction of Area in %	35 min.
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.7375	DIN	Germany	Tube
1.7380	EN	European Union	Bar, Plate and Forging
10 CD 9-10	AFNOR NF	France	Plate
J22090	UNS	USA	Casting
10 CrMo 9-10	MSZ	Hungary	Bar, Tube and Forging
10 CrMo 9-10	BS	British	Steel
A356 10	ASTM	USA	Casting

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India